Amendments to the Claims

This listing of claims will replace all prior versions, and listings, of claims in the application:

Listing of Claims:

1.   (currently amended) A method of managing a cache of a mobile device carried by a user, the cache being used for storing items associated with locations in a real-world space being visited by the user; the method comprising ~~the steps of~~:

(a) receiving an item at the mobile device <u>and initially storing it in an un-graded form</u>, and

(b) <u>upon a predetermined condition concerning the item and/or the mobile device becoming satisfied,</u> degrading the received item to reduce the amount of cache space needed to store it[[,]] and storing the degraded item in the cache instead of the un-degraded item.

2.   (canceled)

3.   (currently amended) A method according to claim [[2]] <u>1</u>, wherein said predetermined condition is at least partially based on the probability of usage of the item as assessed from a determination of the probability of usage of that or other items having regard to the progress of the user around said space.

4.   (currently amended) A method according to claim [[2]] 1,
wherein said predetermined condition is at least partially based
on the time elapsed since the item was last accessed by the user
or, if not yet accessed, since the item was initially loaded
into the cache.

5.   (currently amended) A method according to claim [[2]] 1,
wherein said predetermined condition is at least partially based
on the amount of available cache space remaining.

6.   (canceled)

7.   (original)   A method according to claim 1, wherein the
degrading of the item in step (b) is effected by at least one
of:

       where the item comprises a sampled media stream, reducing
the sample rate and/or the number of bits used to represent each
sample;

       selectively removing whole portions of the item;

       where the item is an image, reducing the resolution of the
image;

       changing the format in which the item is represented.

8.   (original)   A method according to claim 1, wherein the
degraded item is stored in cache along with an associated flag
indicative of its degraded form.

9.   (currently amended)   A method of presenting an item to a
user of a mobile device where said item is stored in a cache of
the mobile device according to the cache management method of
any one of the preceding claims, the item presentation method
comprising ~~the steps of~~:

    (a) upon the item being required for presentation to the
user, retrieving the item from cache and presenting it to the
user;

    (b) determining whether the item is in a degraded form,
this step being carried out before, at the same time as, or
after step (a); <u>and</u>

    (c) where step (b) indicates that the item is in a degraded
form, requesting an un-degraded version of the item from an off-
device resource and when received, substituting this version of
the item for the degraded version being presented to the user.

10.   (canceled)

11.   (currently amended) An arrangement for managing a cache of
a mobile device, the cache being intended for use in storing
items associated with locations in a real-world space visited by

a user of the mobile device; the arrangement comprising:

    receiving means for receiving an item at the mobile device,
and

    degrading means for degrading the received item <u>upon a</u>
<u>predetermined condition concerning the item and/or the mobile</u>
<u>device becoming satisfied so as</u> to reduce the amount of cache
space needed to store it, and for storing the degraded item in
the cache instead of the un-degraded item.

12. (original)   An arrangement according to claim 11,
wherein the receiving means is arranged to initially store the
received item in the cache in an un-degraded form, the degrading
means being arranged to degrade the item subsequently upon a
predetermined condition concerning the item and/or the mobile
device becoming satisfied.

13. (original)   An arrangement according to claim 12,
further comprising prediction means for determining the
probability of usage of the item as assessed from a
determination of the probability of usage of that or other items
having regard to the progress of the user around said space, the
predetermined condition being at least partially based on said
probability of usage as determined by said prediction means.

14. (original)   An arrangement according to claim 12,
further comprising lapsed-time means for determining the time

elapsed since the item was last accessed by the user or, if not yet accessed, since the item was initially loaded into the cache, said predetermined condition being at least partially based on said time elapsed as determined by the lapsed-time means.

15. (original)   An arrangement according to claim 12, further comprising cache-space means for determining the amount of available cache space remaining, said predetermined condition being at least partially based on the available cache space remaining as determined by said cache-space means.

16. (original)   An arrangement according to claim 11, wherein the degrading means is arranged to degrade an item directly upon the receipt of the item at the mobile device in the event that a predetermined condition concerning the item and/or the mobile device is already satisfied.

17. (original)   An arrangement according to claim 11, wherein the degrading means is arranged to degrade said item in step (b) by at least one of:

where the item comprises a sampled media stream, reducing the sample rate and/or the number of bits used to represent each sample;

selectively removing whole portions of the item;

where the item is an image, reducing the resolution of the image;

changing the format in which the item is represented.

18. (original)   An arrangement according to claim 11, wherein the degrading means is arranged to store the degraded item in cache along with an associated flag indicative of its degraded form.

19. (original)   An arrangement according to claim 11, further comprising:

means for retrieving the item from cache and presenting it to the user; and

means for determining whether the item to be, or being, presented to the user is in a degraded form and, if so, for requesting an un-degraded version of the item from an off-device resource;

these means being arranged to substitute the un-degraded version of the item, when received, for the degraded version being presented to the user.

20. (canceled)